STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

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EDS MEMO TO: All users of NCBDS

FROM: Brian Hanks, P. E.
Project Engineer

DATE: August 12, 2011

SUBJECT: LRFD CULVERT DESIGN AND RATING PROGRAM

A new version (1.0.0.5) of the culvert program has been released. The new reinforced concrete box culvert (RCBC) program is capable of designing and analyzing in accordance with the *AASHTO LRFD Bridge Design Specifications* and the *Standard Specifications for Highway Bridges* (LFD). The program also performs RCBC ratings in accordance with the *AASHTO Manual for Bridge Evaluation,* i.e. LRFR.

Users of the Culvert Program will be required to install the program on their workstations. To install the program, copy the "Culvert Design" icon from the following directory: S:\Share\Structure Programs\Culvert and paste it on the workstation's desktop. To run the program, double-click the "Culvert Design" icon.

Future updates to the culvert program will not require any action by the User. When the User opens the program, the program checks for updates. If a newer version of the program is available, it will be installed automatically.

Chapter 17 – *Culvert Program* has been added to the draft *NCBDS Manual*. The manual contains detailed information regarding the culvert program's input and output; it is available on the network drive.

BCH/WMC

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